

Pierre-Louis Pery

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Education

CESI Engineering School

SOFTWARE ENGINEERING

Lille, France

Sep 2019 – Jun 2024

Experience

Blockrise Capital B. V.

SOFTWARE ENGINEER INTERN

Rotterdam, Netherlands

Jan 2022 – Apr 2022

- Researched and developed a Monitoring Architecture for Google Kubernetes Engine to support the development of our service fleet.
- Managed and audited micro-services through previously built tools.
- Benchmarked and load-tested existing services and architecture to handle great throughput.
- Ensured security and stability of our services by studying carefully our data, and exposing it to all developpers to promote good performance related practices.

Montpellier University Space Center

SOFTWARE ENGINEER INTERN

Montpellier, France

Apr 2021 – July 2021

- Developed a reliable stock management system suited for the needs of the space center.
- Enhanced security, speed and usability of the system by leveraging a full stack website with Caddyserver, Docker, Go and Svelte.
- Created effective CI/CD pipelines within Gitlab to promote fast feedback loop and promote further use and modification of the code-base.
- Effectively used and developed codegen tools and descriptive OpenAPI schemas to scale in the future, and enable further uses of the API.

Open Source Contributions

goapi-gen

A CODE GENERATOR USED TO GENERATE BOILERPLATE, ROUTING AND TYPES USED DEFINED IN AN OPENAPI SPECIFICATION. USED IN PRODUCTION AT MULTIPLE COMPANIES, GOAPI-GEN MAKES YOUR LIFE SIMPLER BY GENERATING HIGH QUALITY CODE SO YOU DON'T HAVE TO WRITE IT YOURSELF.

Go, OpenAPI

<https://github.com/discord-gophers/goapi-gen>

waifubot

COMPLETE GACHA GAME TO COLLECT AND TRADE MANGA CHARACTERS. FRONT-END AND API AVAILABLE FOR ADVANCED USE, TO PROMOTE TRADES BETWEEN PLAYERS. AVAILABLE ON OVER 300 DISCORD GUILDS, WITH THOUSANDS OF PLAYERS.

Go, Docker, PostgreSQL, Typescript, Kubernetes

<https://github.com/Karitham/WaifuBot>

genial

A CODE-GENERATION HELPER FOR GO. BUILD AN AST, GENIAL WRITES THE CODE. GENIAL GENERATES IDIOMATIC GO CODE, AND IS A LIFE SAVER IN SITUATIONS WHEN YOU PLAN TO WRITE A LOT OF SIMILAR CODE.

Go

<https://github.com/Karitham/go-genial>

zp

A BLAZING FAST SHELL, CROSS PLATFORM SHELL PROMPT WRITTEN IN PURE ZIG. IT'S BUILT FOR EXTENSIBILITY AND SPEED IN MIND, AND WILL BE AN AMAZING ADDITION TO YOUR 10X DEV TOOLBOX.

Zig

<https://github.com/Karitham/zp>

corde

A HIGH LEVEL DISCORD REVERSE-WEBHOOK WRAPPER, TO ENABLE FAST MICRO-SERVICE ORIENTED DEVELOPMENTS OF DISCORD BOTS. CURRENTLY RUNNING IN PRODUCTION AND KEEPING UP WITH AMAZING LOADS DUE TO ITS SCALING ABILITIES.

Go

<https://github.com/Karitham/corde>

Technical Skills

Languages: Go, JS/TS/HTML/CSS, SQL, Rust, C#, PHP, C/C++, Zig

DevOps: Kubernetes, Docker, Testing, CI/CD Pipelines, Monitoring (Grafana, Loki, Prometheus...)